

| Ref # | Hits | Search Query | DBs | Default Operator | Plurals | Time Stamp |
|-------|------|--|-----------------|------------------|---------|------------------|
| S1 | 2167 | (dual with damascene) and (barrier with etch\$3) | US-PGPUB; USPAT | OR | ON | 2005/06/10 10:38 |
| S2 | 1159 | S1 and (plasma with etch\$3) | US-PGPUB; USPAT | OR | ON | 2005/06/10 17:00 |
| S3 | 1 | ("5904565").PN. | USPAT | OR | OFF | 2005/06/10 11:46 |
| S4 | 18 | (US-20020064941-\$ or US-20020106895-\$ or US-20040121616-\$ or US-20050064708-\$ or US-20050118796-\$).did. or (US-5904565-\$ or US-6023102-\$ or US-6150723-\$ or US-6274008-\$ or US-6284657-\$ or US-6300236-\$ or US-6323131-\$ or US-6329290-\$ or US-6372636-\$ or US-6410437-\$ or US-6429122-\$ or US-6607977-\$ or US-6878615-\$).did. | US-PGPUB; USPAT | OR | ON | 2005/06/10 13:01 |
| S5 | 1 | S4 and remote | US-PGPUB; USPAT | OR | ON | 2005/06/10 12:59 |
| S6 | 326 | remote with plasma with etch\$3 | USPAT | OR | ON | 2005/06/10 13:02 |
| S7 | 18 | S6 and (dual with damascene) | USPAT | OR | ON | 2005/06/10 13:12 |
| S8 | 15 | S7 and (remote with plasma with etch) | USPAT | OR | ON | 2005/06/10 13:16 |
| S9 | 0 | S4 and (remote with plasma with etch) | USPAT | OR | ON | 2005/06/10 13:16 |
| S10 | 177 | (remote with plasma with etch) | USPAT | OR | ON | 2005/06/10 13:16 |
| S11 | 255 | "1" and (etch with stop with composite) | US-PGPUB; USPAT | OR | ON | 2005/06/10 17:01 |
| S12 | 49 | (dual with damascene) and (barrier with etch\$3) and (etch with stop with composite) | US-PGPUB; USPAT | OR | ON | 2005/06/10 18:32 |
| S13 | 27 | (composite or graded or (dual adj layer) or multilayer) adj (etch adj stop) | US-PGPUB; USPAT | OR | ON | 2005/06/10 18:43 |
| S14 | 396 | (composite or graded or (dual adj layer) or multilayer) with (etch adj stop) | US-PGPUB; USPAT | OR | ON | 2005/06/10 18:43 |
| S15 | 119 | S14 and damascene | US-PGPUB; USPAT | OR | ON | 2005/06/12 14:08 |
| S16 | 113 | (ion adj metal adj plasma) with deposition | USPAT | OR | ON | 2005/06/12 14:09 |
| S17 | 57 | S16 and damascene and barrier | USPAT | OR | ON | 2005/06/12 15:42 |
| S18 | 8882 | 438/622,637,638,643,644,656,660,666,672,686,687,706,707.ccls. | US-PGPUB; USPAT | OR | ON | 2005/06/12 15:48 |

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|-----|------|---|--------------------|----|----|------------------|
| S19 | 866 | S18 and barrier and damascene and (etch with stop) | US-PGPUB; USPAT | OR | ON | 2005/06/12 15:49 |
| S20 | 1046 | 438/643.ccls. | US-PGPUB; USPAT | OR | ON | 2006/02/05 14:59 |

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|-------|------|--|----------|------------------|---------|------------------|
| L1 | 0 | (substrate and (dielectric or insulat\$3) and ((etch adj stop) with (plurality or multiple)) and (dual adj damascene) and via and trench and (barrier with (remov\$3 or etch\$3) with plasma) and (copper or Cu)).CLM. | US-PGPUB | OR | ON | 2006/02/06 10:17 |
| L2 | 0 | (substrate and (dielectric or insulat\$3) and ((etch adj stop) with (plurality or multiple)) and (dual adj damascene) and via and trench and (barrier with plasma) and (copper or Cu)).CLM. | US-PGPUB | OR | ON | 2006/02/06 10:16 |
| L3 | 0 | (substrate and (dielectric or insulat\$3) and ((etch adj stop) with (plurality or multiple)) and (dual adj damascene) and via and trench and (barrier with (remov\$3 or etch\$3)) and (copper or Cu)).CLM. | US-PGPUB | OR | ON | 2006/02/06 10:18 |
| L4 | 0 | (substrate and (dielectric or insulat\$3) and ((etch adj stop) with multiple) and (dual adj damascene) and via and trench and (barrier with (remov\$3 or etch\$3)) and (copper or Cu)).CLM. | US-PGPUB | OR | ON | 2006/02/06 10:18 |
| L5 | 1 | (substrate and dielectric and (etch adj stop) and multiple and (dual adj damascene) and via and trench and (barrier with (remov\$3 or etch\$3)) and (copper or Cu)).CLM. | US-PGPUB | OR | ON | 2006/02/06 10:19 |